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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/066,102
				Filing Date	1/31/02
				First Named Inventor	Steven Teig
				Group Art Unit	2825
				Examiner Name	Garbowski, L.
Sheet	1	of	4	Attorney Docket Number	SPLX.P0106

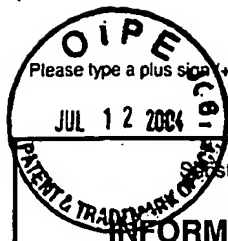
RELATED U.S. PATENT APPLICATIONS						
Examiner* Initials	Cite No. ¹	U.S. Patent Application		Name of Patentee or Applicant of Cited Document	Date of Filing MM-DD-YYYY	Related Application Data
		Serial Number	Attorney Docket No.			
W	1.	10/066,060	SPLX.P0072	Steven Teig	01-31-2002	Application with the same specification and drawings as the present application, with the exception of summary and abstract.
W	2.	10/066,160	SPLX.P0073	Steven Teig et al.	01-31-2002	Application with the same specification and drawings as the present application, with the exception of summary and abstract.
W	3.	10/066,095	SPLX.P0074	Steven Teig et al.	01-31-2002	Application with the same specification and drawings as the present application, with the exception of summary and abstract.
W	4.	10/066,047	SPLX.P0078	Steven Teig et al.	01-31-2002	Application with the same specification and drawings as the present application, with the exception of summary and abstract.
W	5.	10/061,641	SPLX.P0079	Steven Teig et al.	01-31-2002	Application with the same specification and drawings as the present application, with the exception of summary and abstract.
W	6.	10/066,094	SPLX.P0080	Steven Teig et al.	01-31-2002	Application with the same specification and drawings as the present application, with the exception of summary and abstract.
W	7.	10/076,121	SPLX.P0081	Steven Teig	02-12-2002	Application with similar, but not identical, specification and drawings as the present application.
W	8.	10/062,995	SPLX.P0105	Steven Teig et al.	01-31-2002	Application with the same specification and drawings as the present application.

Examiner Signature		Date Considered	11/4
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RELATED U.S. PATENT APPLICATIONS						
						with the exception of summary and abstract.
WD	9.	10/066,187	SPLX.P0133	Steven Teig et al.	01-31-2002	Application with the same specification and drawings as the present application, with the exception of summary and abstract.
WD	10.	10/233,202	CDN.P0008	Steven Teig	08-28-2002	Per the preliminary amendment dated 5/30/03, this application is a CIP of the present application.
W	11.	10/229,196	CDN.P0009	Steven Teig	08-26-2002	Per the preliminary amendment dated 5/30/03, this application is a CIP of the present application.
W	12.	10/288,870	CDN.P0010	Steven Teig	11-06-2002	Per the preliminary amendment dated 5/30/03, this application is a CIP of the present application.
W	13.	10/219,923	CDN.P0011	Steven Teig	08-14-2002	Per the preliminary amendment dated 5/30/03, this application is a CIP of the present application.

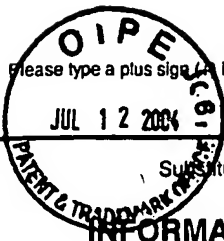
FOREIGN PATENT DOCUMENTS								
Examiner* Initials	Cite No. ¹	Foreign Patent Document			Date of Publication MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
		Office ³	Number ⁴	Kind Code (if known) ⁵				
W	14.	JP	03-173471		07-26-1991	Tawada et al.	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓
M	15.	JP	04-000677		01-06-1992	Fujiwara et al.	with English translation of Abstract;	
W	16.	JP	05-102305		04-23-1993	Sato	with Japanese Patent Office's English	✓

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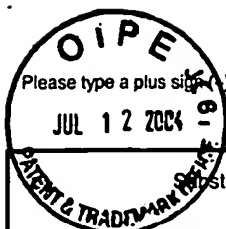
FOREIGN PATENT DOCUMENTS							
						translation of Abstract; and with English translation of the application.	
W	17.	JP	05-243379	09-21-1993	Kubota	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓
W	18.	JP	07-086407	03-31-1995	Miura	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓
W	19.	JP	09-162279	06-20-1997	Yoshida	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓
W	20.	JP	2000-082743	03-21-2003	Igarashi et al.	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓

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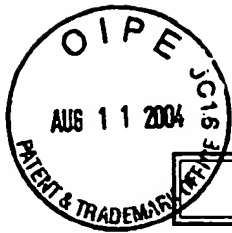
NON PATENT LITERATURE DOCUMENTS			
Examiner* Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁵
W	21.	Berger, B. et al., Nearly Optimal Algorithms and Bounds for Multilayer Channel Routing, Journal of the Association for Computing Machinery, pp. 500-542, March 1995.	
W	22.	Chen, H., Routing L-Shaped Channels in Nonslicing-Structure Placement. 24 th ACM-IEEE Design Automation Conference, pp. 152-165, 1987.	
W	23.	Cheng, K. et al., Manhattan or Non Manhattan? A Study of Alternative VLSI Routing Architectures, pp 47-52, 2000.	
W	24.	Chiang, C. et al., Wirability of Knock-Knee Layouts with 45° Wires, IEEE Transactions on Circuits and Systems, Vol. 38, Issue 6, pp 613-624, June 1991.	
W	25.	NN71091316, Use of Relatively Diagonal And Rectangular Wiring Planes n Multilayer Packages, September 1971, IBM Technical Disclosure Bulletin, Vol. No. 14, Issue No. 4, pp. 1316-1317.	
W	26.	Overtone, G., EDA Underwriter 2 Finding Space in a Multi-Layer Board, Electronic Engineering, Morgan-Grampian LTD, March 1995, vol. 67, no. 819, pp 29-30.	

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ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

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Title of Invention	IC layout with non-quadrilateral steiner points																																														
<p>Application Number: 10/066102 </p> <p>Confirmation Number: 6032</p> <p>First Named Applicant: Steven Teig</p> <p>Attorney Docket Number: SPLX.P0106</p> <p>Art Unit: 2825</p> <p>Examiner: Leigh Marie Garbowski</p> <p>Search string: (6247853 or 6407434 or 6412097 or 6680150).pn.</p> <p>US Patent Documents</p> <p>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</p> <table border="1"><thead><tr><th>init</th><th>Cite.No.</th><th>Patent No.</th><th>Date</th><th>Patentee</th><th>Kind</th><th>Class</th><th>Subclass</th></tr></thead><tbody><tr><td>W</td><td>1</td><td>6247853</td><td>2001-06-19</td><td>Papadopoulou et al.</td><td>B1</td><td rowspan="4"></td><td></td></tr><tr><td>W</td><td>2</td><td>6407434</td><td>2002-06-18</td><td>Rostoker et al.</td><td>B1</td><td></td></tr><tr><td>W</td><td>3</td><td>6412097</td><td>2002-06-25</td><td>Kikuchi et al.</td><td>B1</td><td></td></tr><tr><td>W</td><td>4</td><td>6680150</td><td>2004-01-20</td><td>Blatchford, Jr. et al.,</td><td>B2</td><td></td></tr></tbody></table> <p>Signature</p> <table border="1"><thead><tr><th>Examiner Name</th><th>Date</th></tr></thead><tbody><tr><td></td><td>1/14</td></tr></tbody></table>							init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass	W	1	6247853	2001-06-19	Papadopoulou et al.	B1			W	2	6407434	2002-06-18	Rostoker et al.	B1		W	3	6412097	2002-06-25	Kikuchi et al.	B1		W	4	6680150	2004-01-20	Blatchford, Jr. et al.,	B2		Examiner Name	Date		1/14
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